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APPLICANT : TAITO KK;

INVENTOR : YANO TOMONORI;

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TITLE : PREVENTIVE FOR FISH DISEASE COMPRISING WATER-SOLUBLE GLUCAN

ABSTRACT : PURPOSE: To obtain a preventive for fish diseases, comprising a water-soluble glucan containing a main chain consisting of  $\beta$ -1,3-glucoside bond as an active ingredient.

CONSTITUTION: A preventive for fish diseases containing a water-soluble polysaccharide glucan comprising a main chain consisting of  $\beta$ -1,3-glucoside bond and a side chain branched by  $\beta$ -1,6-glucoside bond. Schizophyllan and scleroglucan may be cited as the glucan. The concentration of the aqueous solution used is 0.01-1%. Administration is carried out by oral administration, intra-abdominal administration (intramuscular injection), immersion, etc., and 3-20mg/kg (weight) is added. The preventive is effective for various bacterial infectious diseases such as vibriosis of young yellowtail, sea bream, bastard halibut, swell fish, sweet fish, carp, tilapia, rainbow trout, eel, etc., pseudotuberculosis, streptococcal infection, nocardiosis, Edwardsiellosis, etc., and viral infectious diseases such as ascites, lymphocystis, KOHAKUSHO, etc.

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